

Interrogation ring
 - 8 - 12" nominally
 - sterile
 - possibly replaceable

Hand held detector device
 - electromagnetic
 - wideband
 - ~ 12 detection range
 - hand held sized

FIG.3A

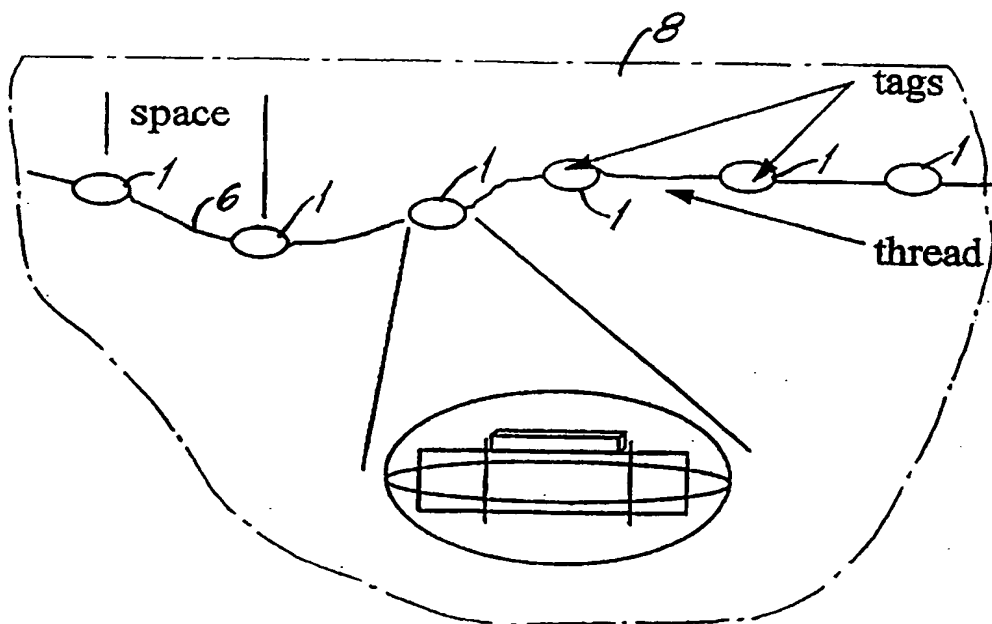


FIG.4

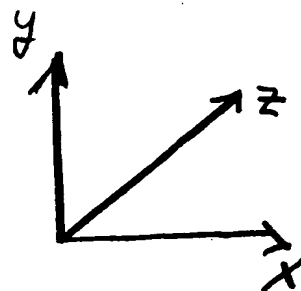
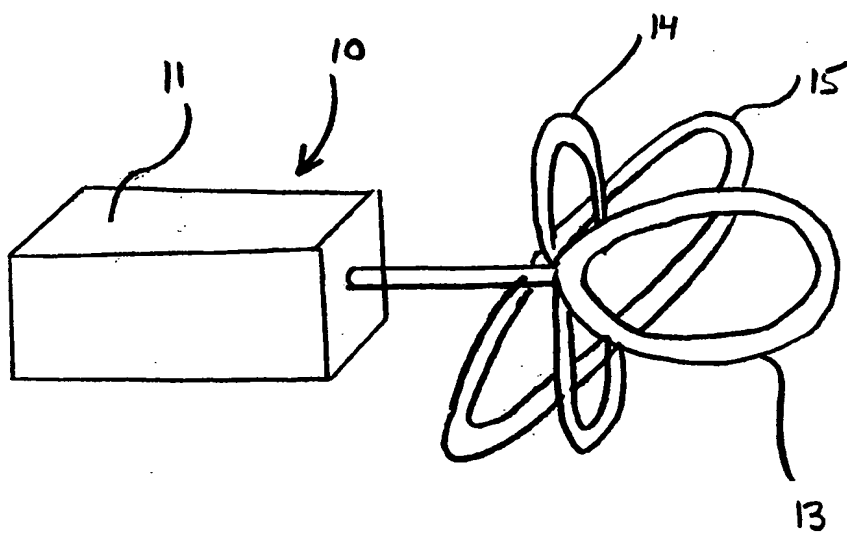


FIG 3B

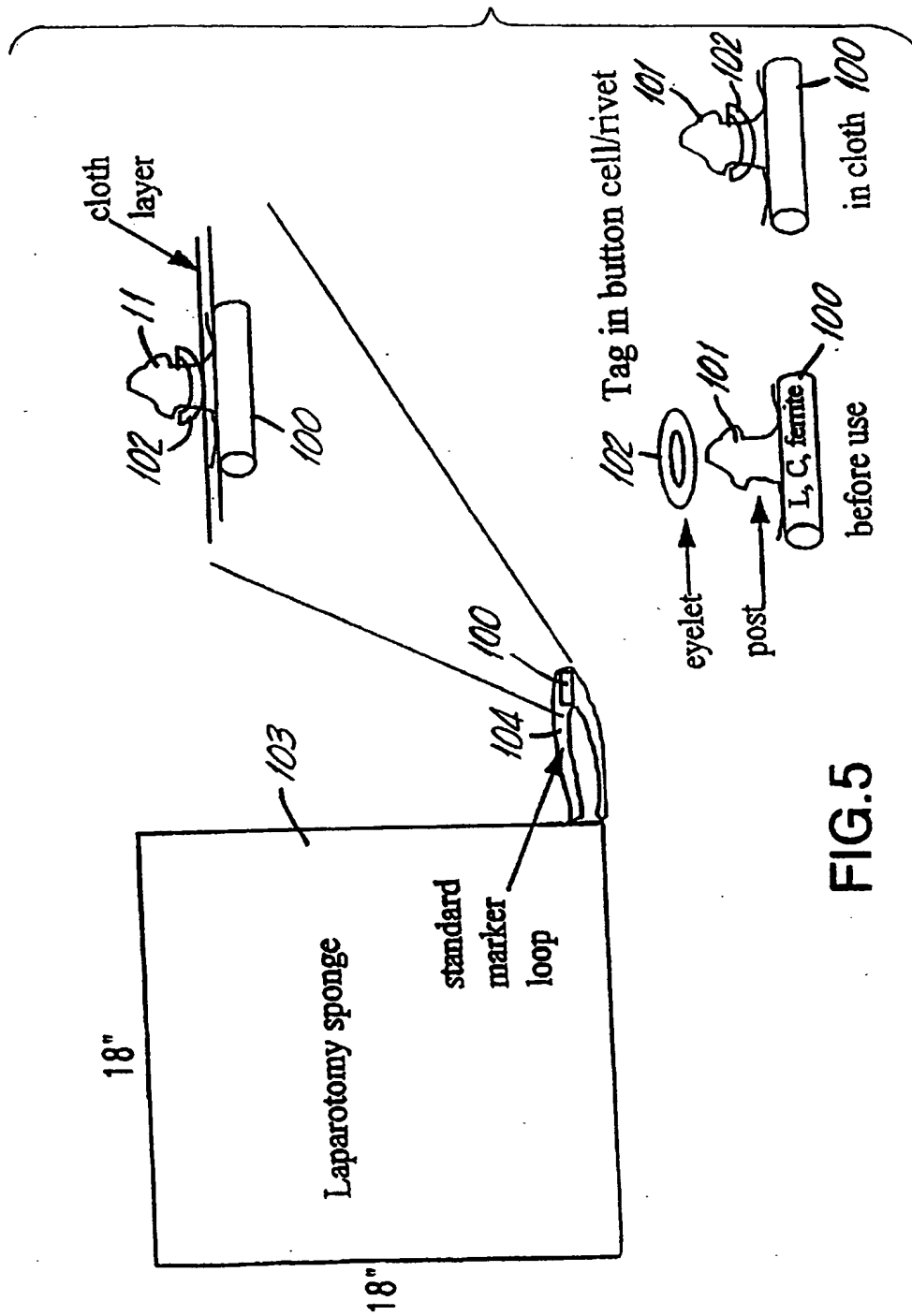


FIG. 5

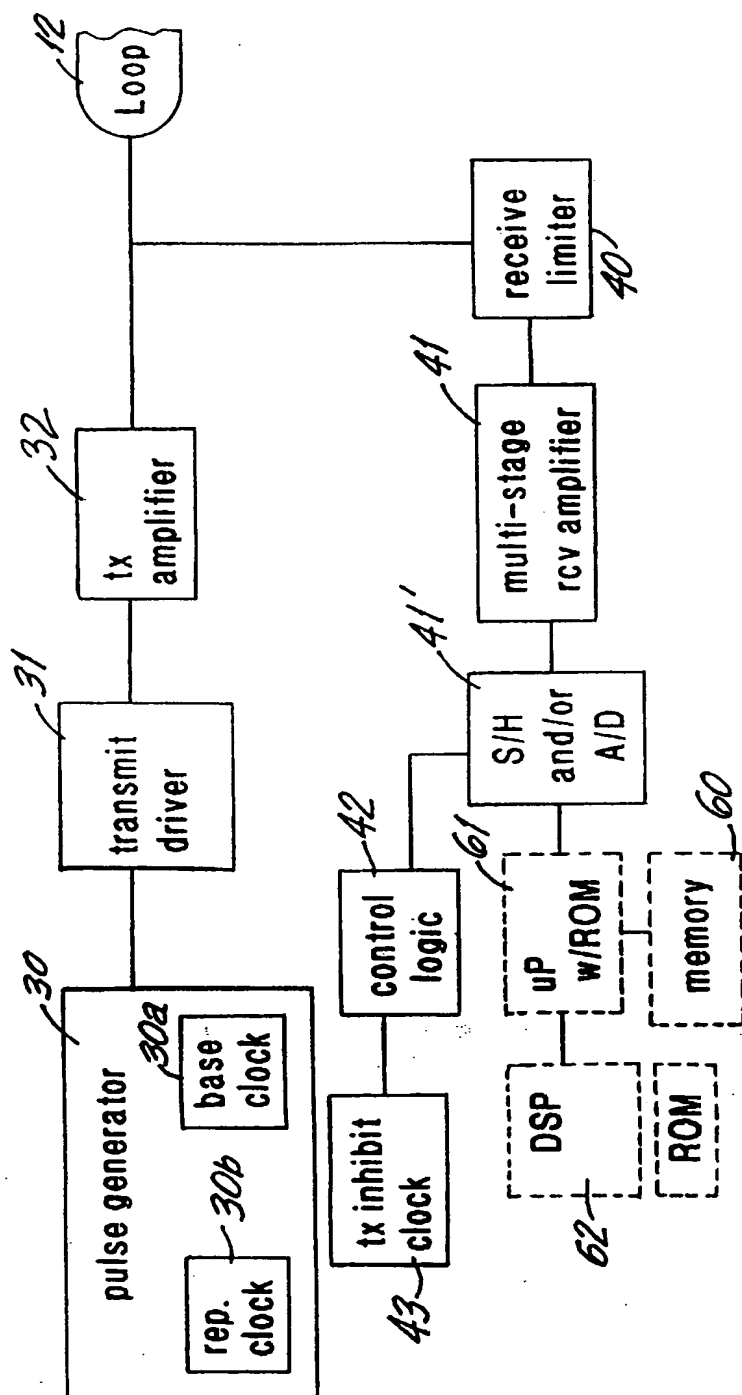


FIG. 6A

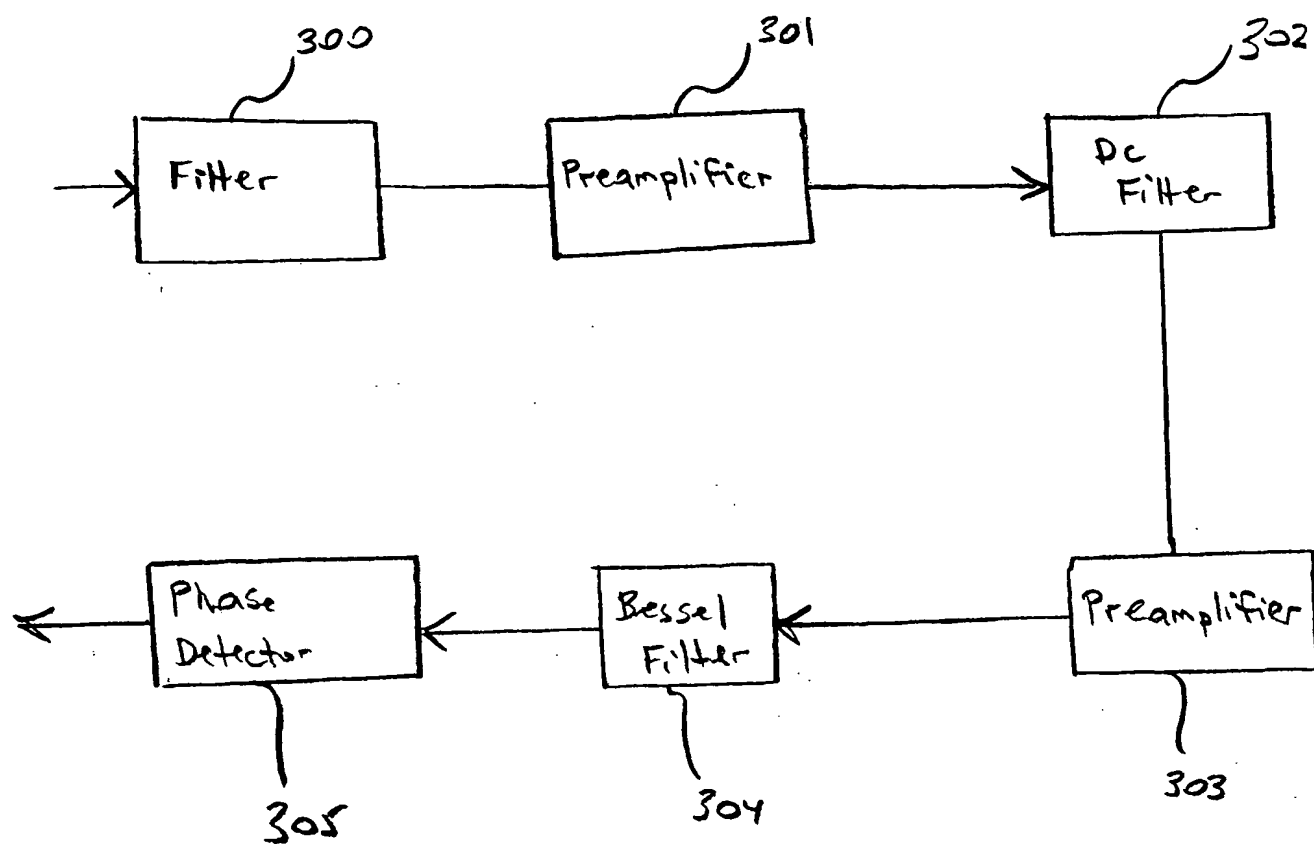


FIG. 6B

FIG. 7A

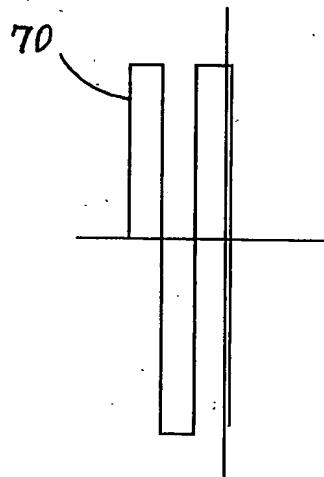
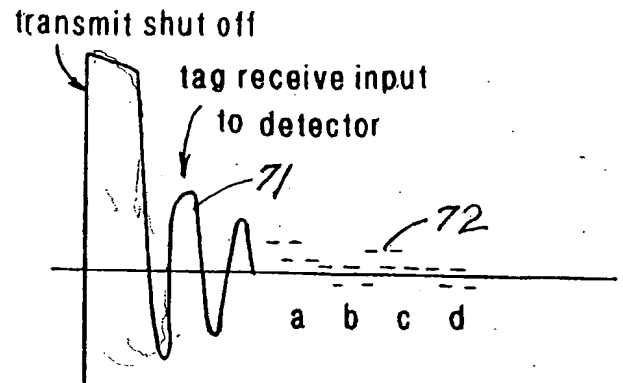


FIG. 7B



Ideal wideband
transmit pulses

*Traditional
sinusoidal
transmit
signal not
shown*

Transmitter energy decay with
wideband pulse excitation

Transmitter energy decay with
traditional narrow band sinusoidal
excitation

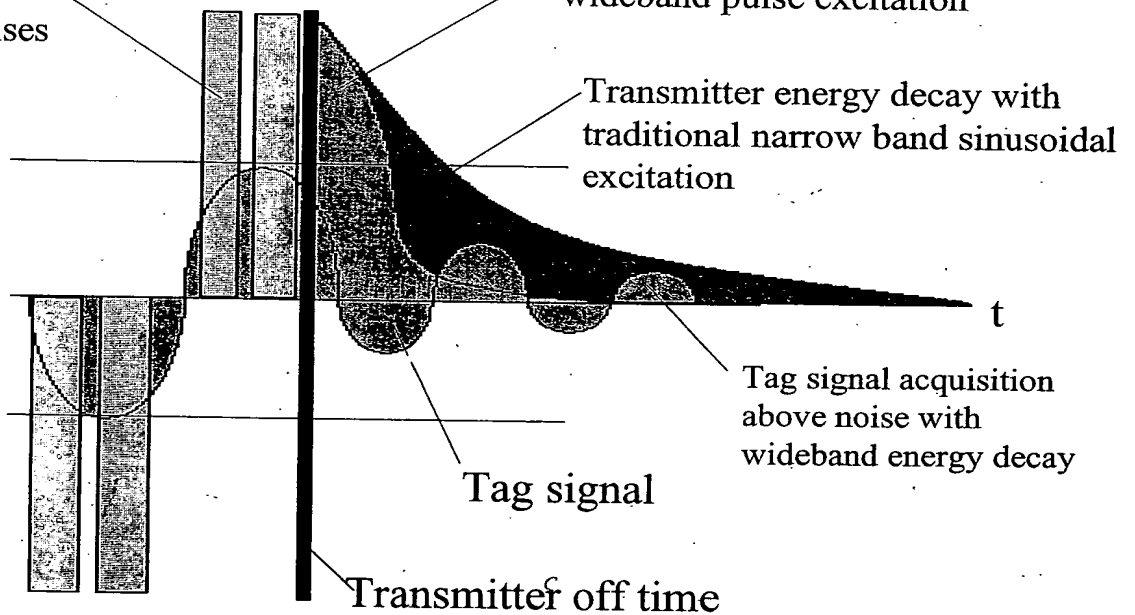


FIG. 7C

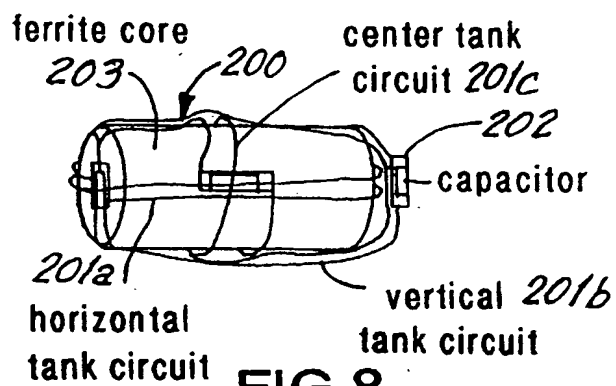


FIG. 8

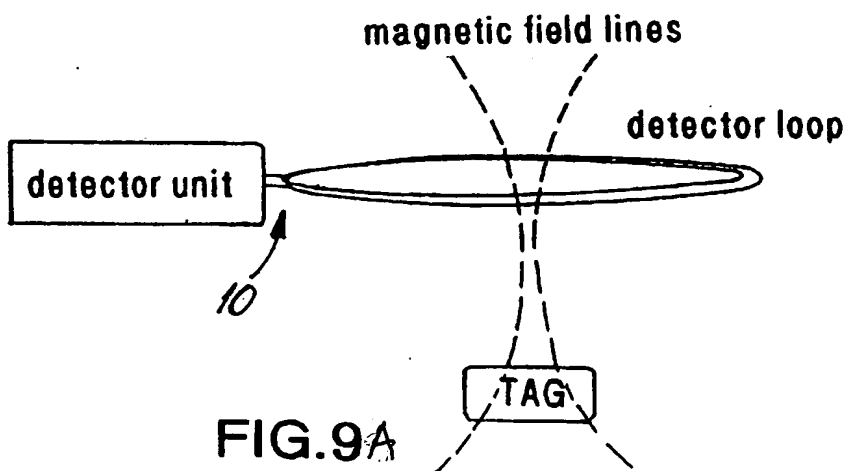


FIG. 9A

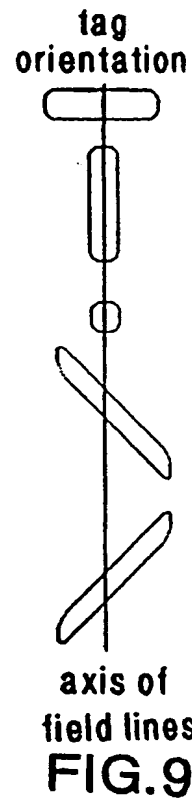


FIG. 9B